

a housing of the electronic module for shielding the electronic module from the surroundings, with at least parts of the probe and parts of the electrical connection being disposed outside the housing; and

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End  
means for limiting the supply of current to the probe, wherein at least one fuse is provided in the electrical connections, leading to the probe, within the housing, for interrupting the flow of current to the probe when the temperature produced as a result of the current flow exceeds a specific value, wherein the at least one fuse is formed by a sectional constriction of a cross section of the electrical connections and the electrical connections comprise conductor strips and wherein the housing of the electronic module further forms the housing of the at least one fuse.

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#### REMARKS

Entry of the foregoing Amendment is respectfully requested.

Based on the foregoing amendments and the following remarks, the application is deemed to be in condition for allowance and action to that end is respectfully requested.

The Examiner has rejected claims 1,3, 4, 8 and 9, under 35 U.S.C. §103(a), as being unpatentable over U.S. Patent No. 4,470,873 to Nakamura (Nakamura) in view of U.S. Patent No. 4,831,484 to Bruch (Bruch), U.S. Patent No. 4,700,065 to Kordulla et. al. (Kordulla), and U.S. Patent No. 4,620,094 to Tani et. al. (Tani). The Examiner has rejected claims 5 and 7, under 35 U.S.C. §103(a), as being unpatentable over Nakamura in view of Yoshikawa, Bruch, Kordulla and Tani, as applied to claim 1, and further in view of U.S. Patent No. 4,369,578 to Ernst (Ernst). It is respectfully submitted that all of the claims presently pending in the application are patentably distinct over the prior art, including all of the prior art of record in the application, and are, therefore, allowable.